

APPARATUS FOR DETECTING POTENTIAL TIRE FAILURE

ABSTRACT

A tire failure detector (10) in which at least one receiver (42) mounted in a housing (12) generates a
5 signal representative of a thermal characteristic of a portion of a tire (18) sensed by the receiver (42). A processor (46) detects an abnormal signal carried by a carrier (44) from the receiver (42) and communicates the abnormal signal to a display (50) which presents at least
10 an image representative of the detected abnormal signal to notify an observer of the abnormal signal detected. A cover (22) inside the housing (12) protects the receiver (42) from debris, while a nozzle (32) communicates through a tube (34) a supply of a pressurized fluid (38)
15 for cleaning debris from the cover (22).